MR Form 3 (Revised 1984)



ANNUAL OPERATIONS AND PROGRESS REPORT

From Month/Year March 86
to Month/Year March 87

DIVISION OF OIL, GAS & MINING

(To be submitted for $\underline{\text{each}}$ mining operation at the end of $\underline{\text{each}}$ calendar year to the Division at this $\underline{\text{address:}}$)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

OPERATOR:	Western Clay Co.	MINE NAME:	Western Clay Co.	
ADDRESS:	P.O. Box 127, Aurora, UT	84620		
PERMIT NUMBE	R AND DATE OF PERMIT:	ML 1937	ACT/04/10/2	
REPRESENTATI	VE: Thomas L. Chivers			
SECTION(S):	2 TOWNSHIP(S):	218	RANGE(S): 1W	
MINERAL(S) M	INED: Bentonite			
STATE AND/OF	R FEDERAL MINERAL LEASE NUMB	ERS:	ML 1937	
SPECIAL USE	PERMITS AND/OR RIGHTS-OF-WA	Y: <u>NO</u> 1	VE.	
				217

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an <u>up-dated map and plan</u> prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities, which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.

Disturbanc	e	Acreage
Pit		6 02
Roads		21-
Facilities		11
Waste Dump	S	2 24
Other	4	
	testplot	26

(b) Tabulation of acreage affected to date (by years).

Date by Yo	ear	Acreage	(Total
1975			
1976		-	
1977			
1978		****	
1979			
1980			
1961			
1982		-	
1983			

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling.

NONE

SOIL TABULATION CHART

		Area	
1	2	3	etc.
		the same of the sa	Area 1 2 3

Soil	Tabulation	Chart	(continued))
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Area Affected (in mining sequence)	Area 1 2 3 etc.
Storage Location	
Area Where Soil Has Been Used (if not stored)	
Running Total (all stockpiles) (ya ³ or ac ft)	
Short-term	
Long-term	
*Uf previously stripped area recently reclaimed.	
(a) Tabulation of all (newly removed) out-of-pit placement and illustration on a map.	spoil volumes, date of
Area Date	<u>Acreage</u>
(e) Tabulation of quantity of commodity mined.	
Commodity	Tonnage
(Minea) Bentonite 6005.72	
(f) Description of any new construction during th illustration on a map, including, but not limited to:	ne report period with
l. Buildings and support facilities.	
2. Roads. N/A	

3. N/A	Diversion ditches, collector ditches, interceptor ditches, etc.
4. N/A	Culverts.
5.	Sediment ponds, containment ponds.
	Two sediment ponds in new pit area (see map)
6.	Monitoring sites (vegetative, air quality, surface subsidence, surface water or ground water, etc.).
	Two test plots, old pit area (see Map)
7. N/A	Topsoil stockpiles.
(g) Desci for mitigation	ription of any environmental problem areas with a proposed plan on and illustration on a map, including, but not limited to:
N/A	Pit stability problems.
2. N/A	Subsidence.

3. N/A	Accidental water discharge, dam failure, etc.
N/A	Slumping, sliaing or erosion.
N/A ⁵ .	Revegetation problem areas.
	Existence and location of unsuitable (toxic) overburden.
N/A	
RECLAMATION: (a) Tabul	Lation of the acreage reclaimed during the report period with on a map, distinguishing between:
l.	Backfilled, graded and contoured areas.
	<u>Area</u> <u>Acreage</u>
NONE	
2.	Topsoiled areas.
	<u>Area</u> <u>Acreage</u>
NONE	

.3. Seed	ed areas.		
NONE	<u>Area</u>	Acre	age
4. Rese	eded areas (areas pr	eviously seeded, t	hen seedeu again).
	Area	Acre	age
NONE			
(b) Tabulation to date by years wi	of total acreage re ith illustration on Year	an updated map:	th permanent seed mix) eage
		ACI	cage
	1975 1976 1977 1978 1979 1980 1981		
	1983		
	1984		
(c) Description period, including:	n of the reclamation	procedures used d	uring the report
l. Avera	age depth of topsoil	applied.	
2. Type NONF	of seea (species) u	sed for seeding du	ring the report perioa

	of seeaing during the report perioa.
Spring	NONE
Fall -	
	g procedures usea.
IV/A	rilled or any other).
5. Rate of	f seed application.
Pounds Per Acre of Pu N/A	ure Live Seed (PLS) (if varied, please explain)
6. Type an	nd rate of fertilizer applied.
7. Type an	nd rate of mulch applied.
8. Rate of type of	irrigation water applied, if any. Please describe any sprinkling, or water applied (water truck, etc.).
9. Revegeta	ation test plot information.
Cover, aensity, proau	

N/A 10.	Soil analysis results.
(d) Desc (This should	ription of results of previous revegetation efforts, including: be done as applicable.)
N/A	Types (species) of seed that have germinated and are growing.
2. N/A	Types (species) of seed that are not growing successfully.
3. N/A	Areas experiencing problems with weeds and weed types.
	Significant erosional problems.
5.	Areas of unsuitable overburden on the surface as related to revegetation failure.
New	v pit area has no topsoil nor overburden
6. Where no	Procedures used or proposed to correct these problems. ne available no requirement to correct
	The state of the s

.7. Acreage and dates of release (upon inspection by the State) of revegetated areas. Area Date Acreage N/A 8. Results of soil analysis. N/A (e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis. Acres Cost/Acre 1. Grading 2. Backfilling 3. Contouring NONE 4. Topsoil Replacement 5. Seeding A. Seedbed Preparation B. Mulch C. Fertilizer D. Seed 6. Other BOND INFORMATION: A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included. Amount Type Date Posted Present Bona 2-1-35

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Incr	reased Bond Amount	(attached reclamation estimate	e).
з.	Bona release.		
	Acres	Bond Amount Released	Date

ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to:

- (a) Permit stipulations (status).(b) Other special conditions (status).